

Amendment under the PCT Article 34.

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1. International Application: No. PCT/JP03/13347

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4 Object for Amendment Claims

5 Contents of Amendment (the items shown below
have been corrected by ex officio)

20 Claims 1, 5 and 9 are deleted.

Claims 2, 6, and 10-13 are amended as shown
in attached document.

6 List of Attached Document

Claims from pages 42 to 46 (in the original
25 international application document)

CLAIMS

1. A method of converting code which
converts first codes based on a first system to
second codes based on a second system,
5 characterized in that,
 when said first codes are unavailable,
said second codes are obtained by directly using
speech parameters which are ever decoded in
accordance with said first system and are stored.
10
2. The method of converting code according
to claim 1, comprising:
 obtaining data of first linear
prediction coefficients from said first codes;
15 obtaining data of first excitation
signal from said first codes;
 storing said data of first linear
prediction coefficients;
 storing said data of first excitation
20 signal;
 calculating data of first linear
prediction coefficients from past data of first
linear prediction coefficients which are stored;
 calculating data of first excitation
25 signal from past data of first excitation signal
which are stored;
 obtaining data of second linear

prediction coefficients from said data of first linear prediction coefficients; and

obtaining data of second excitation signal from said data of first excitation signal.

5

3. The method of converting code according to claim 2, comprising:

generating a first speech signal by driving a filter having any of first linear prediction coefficients derived from said data of first linear prediction coefficients and second linear prediction coefficients derived from said data of second linear prediction coefficients by using a first excitation signal derived from said data of first excitation signal; and

obtaining data of second excitation signal from said first speech signal and any of said first linear prediction coefficients and said second linear prediction coefficients.

4. The method of converting code according to claim 2 or 3, wherein said data of excitation signal includes any of an adaptive codebook data, a fixed codebook data and a gain data.

5. A code conversion apparatus, which converts first codes based on a first system to second codes based on a second system, characterized in that,
- 5 when said first codes are unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.
- 10 6. The code conversion apparatus according to claim 5, comprising:
- a linear prediction coefficients data decoding circuit configured to obtain data of first linear prediction coefficients from said
 - 15 first codes;
 - an excitation signal data decoding circuit configured to obtain data of first excitation signal from said first codes;
 - a linear prediction coefficients data
 - 20 storage circuit configured to store said data of first linear prediction coefficients;
 - an excitation signal data storage circuit configured to store said data of first excitation signal;
 - 25 a linear prediction coefficients data calculating circuit configured to calculate data of first linear prediction coefficients from

past data of first linear prediction
coefficients which are stored;

an excitation signal data calculating
circuit configured to calculate data of first
5 excitation signal from past data of first
excitation signal which are stored;

a linear prediction coefficients data
encoding circuit configured to obtain data of
second linear prediction coefficients from said
10 data of first linear prediction coefficients;
and

an excitation signal data generating
circuit configured to obtain data of second
excitation signal from said data of first
15 excitation signal.

7. The code conversion apparatus according
to claim 6, comprising:

a partial decoding circuit configured to
20 generate a first speech signal by driving a
filter having any of first linear prediction
coefficients derived from said data of first
linear prediction coefficients and second linear
prediction coefficients derived from said data
25 of second linear prediction coefficients by
using a first excitation signal derived from
said data of first excitation signal; and

an excitation signal data generating circuit configured to obtain data of second excitation signal from said first speech signal and any of said first linear prediction
5 coefficients and said second linear prediction coefficients.

8. The code conversion apparatus according to claim 6 or 7,
10 wherein said data of excitation signal includes any of an adaptive codebook data, a fixed codebook data and a gain data.

9. A program that causes a computer to
15 perform processes, said computer serving as a code conversion apparatus which converts first codes based on a first system to second codes based on a second system,

said processes are characterized in that,
20 when said first codes are unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.

25 10. The program according to claim 9, wherein said processes comprising:
a process of obtaining data of first

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linear prediction coefficients from said first codes;

a process of obtaining data of first excitation signal from said first codes;

5 a process of storing said data of first linear prediction coefficients;

a process of storing said data of first excitation signal;

a process of calculating data of first
10 linear prediction coefficients from past data of first linear prediction coefficients which are stored;

a process of calculating data of first excitation signal from past data of first
15 excitation signal which are stored;

a process of obtaining data of second linear prediction coefficients from said data of first linear prediction coefficients; and

a process of obtaining data of second
20 excitation signal from said data of first excitation signal.

11. The program according to claim 9 or 10, wherein said processes comprising:

25 a process of generating a first speech signal by driving a filter having any of first linear prediction coefficients derived from said

data of first linear prediction coefficients and
second linear prediction coefficients derived
from said data of second linear prediction
coefficients by using a first excitation signal
5 derived from said data of first excitation
signal; and

a process of obtaining data of second
excitation signal from said first speech signal
and any of said first linear prediction
10 coefficients and said second linear prediction
coefficients.

12. The program according to any of claims 9
to 11,
15 wherein said data of excitation signal
includes any of an adaptive codebook data, a
fixed codebook data and a gain data.

13. A recording medium storing the program
20 according to any of claims 9 to 12.